



ENTERED

PCT09

RAW SEQUENCE LISTING

DATE: 04/09/2002

PATENT APPLICATION: US/09/700,806

TIME: 13:12:39

Input Set : A:\EP.txt

Output Set: N:\CRF3\04092002\I700806.raw

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3 <110> APPLICANT: Shen, Ben-Quan
4      Zioncheck, Thomas
6 <120> TITLE OF INVENTION: MODULATION OF eNOS ACTIVITY AND THERAPEUTIC USES THEREOF
8 <130> FILE REFERENCE: P1735R1
10 <140> CURRENT APPLICATION NUMBER: US 09/700,806
C--> 11 <141> CURRENT FILING DATE: 2002-03-12
13 <150> PRIOR APPLICATION NUMBER: PCT/US00/30294
14 <151> PRIOR FILING DATE: 2000-11-02
16 <150> PRIOR APPLICATION NUMBER: US 60/163,132
17 <151> PRIOR FILING DATE: 1999-11-02
19 <160> NUMBER OF SEQ ID NOS: 4
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 57
23 <212> TYPE: DNA
C--> 24 <213> ORGANISM: Artificial
26 <220> FEATURE:
27 <221> NAME/KEY: Misc_feature
28 <222> LOCATION: 1-57
29 <223> OTHER INFORMATION: Sequence is synthesized.
31 <220> FEATURE:
32 <221> NAME/KEY: unsure
33 <222> LOCATION: 19, 20, 21, 28, 29, 30, 31, 32, 33, 40, 41, 42
34 <223> OTHER INFORMATION: N at indicated positions may be G, A, T or C; S at indicated
positions may
35      be C or G
37 <400> SEQUENCE: 1
W--> 38  cacgaagtgg tgaagttcnn sgatgtcnns nnsccgagcn nstgccatcc 50
40  aatcgag 57
42 <210> SEQ ID NO: 2
43 <211> LENGTH: 42
44 <212> TYPE: DNA
C--> 45 <213> ORGANISM: Artificial
47 <220> FEATURE:
48 <221> NAME/KEY: Misc_feature
49 <222> LOCATION: 1-42
50 <223> OTHER INFORMATION: Sequence is synthesized.
52 <220> FEATURE:
53 <221> NAME/KEY: unsure
54 <222> LOCATION: 16, 17, 18, 22, 23, 24, 25, 26, 27
55 <223> OTHER INFORMATION: N at indicated positions may be G, A, T or C; S at indicated
positions may
56      be C or G
58 <400> SEQUENCE: 2
W--> 59  gggggctgct gcaatnnsa gnnsnnsag tgtgtgccca ct 42

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61 <210> SEQ ID NO: 3

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62 <211> LENGTH: 990

63 <212> TYPE: DNA

64 <213> ORGANISM: Homo sapiens

66 <400> SEQUENCE: 3

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67  cagtgtgctg gcgggcccggc gcgagccggc ccggcccgcg tcgggcctcc 50
69  gaaaccatga actttctgct gtcttgggtg cattggagcc tcgccttgct 100
71  gctctacctc caccatgcc aagtgtccca ggctgcaccc atggcagaag 150
73  gaggagggca gaatcatcac gaagtgtgga agttcatgga tgtctatcag 200
75  cgcagctact gccatccaat cgagaccctg gtggacatct tccaggagta 250
77  ccctgatgag atcgagtaca tcttcaagcc atcctgtgtg cccctgatgc 300
79  gatgcggggg ctgctgcaat gacgagggcc tggagtgtgt gcccactgag 350
81  gagtccaaca tcaccatgca gattatgcgg atcaaacctc accaaggcca 400
83  gcacatagga gagatgagct tcctacagca caacaaatgt gaatgcagac 450
85  caaagaaaga tagagcaaga caagaaaatc cctgtggggc ttgctcagag 500
87  cggagaaagc atttgtttgt acaagatccg cagacgtgta aatgttcctg 550
89  caaaaacaca gactcgcgtt gcaaggcgag gcagcttgag ttaaacgaac 600
91  gtacttgtag atgtgacaag ccgaggcggt gagccgggca ggaggaagga 650
93  gcctccctca gggtttcggg aaccagatct ctcaccagga aagactgata 700
95  cagaacgata gatacagaaa ccacgctgcc gccaccacac catcaccatc 750
97  gacagaacag tccttaatcc agaaacctga aatgaaggaa gaggagactc 800
99  tgcgagagc actttgggtc cggaggcgga gactccggcg gaagcattcc 850
101 cgggcgggtg acccagcacg gtccctcttg gaattggatt cgccatttta 900
103 tttttcttgc tgctaaatca ccgagcccgg aagattagag agttttattt 950
105 ctgggattcc tgtagacaca ccgcggccgc cagcacactg 990

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107 <210> SEQ ID NO: 4

108 <211> LENGTH: 191

109 <212> TYPE: PRT

110 <213> ORGANISM: Homo sapiens

112 <400> SEQUENCE: 4

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113 Met Asn Phe Leu Leu Ser Trp Val His Trp Ser Leu Ala Leu Leu
114 1 5 10 15
116 Leu Tyr Leu His His Ala Lys Trp Ser Gln Ala Ala Pro Met Ala
117 20 25 30
119 Glu Gly Gly Gly Gln Asn His His Glu Val Val Lys Phe Met Asp
120 35 40 45
122 Val Tyr Gln Arg Ser Tyr Cys His Pro Ile Glu Thr Leu Val Asp
123 50 55 60
125 Ile Phe Gln Glu Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro
126 65 70 75
128 Ser Cys Val Pro Leu Met Arg Cys Gly Gly Cys Cys Asn Asp Glu
129 80 85 90
131 Gly Leu Glu Cys Val Pro Thr Glu Glu Ser Asn Ile Thr Met Gln
132 95 100 105
134 Ile Met Arg Ile Lys Pro His Gln Gly Gln His Ile Gly Glu Met
135 110 115 120
137 Ser Phe Leu Gln His Asn Lys Cys Glu Cys Arg Pro Lys Lys Asp
138 125 130 135
140 Arg Ala Arg Gln Glu Asn Pro Cys Gly Pro Cys Ser Glu Arg Arg
141 140 145 150

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143	Lys	His	Leu	Phe	Val	Gln	Asp	Pro	Gln	Thr	Cys	Lys	Cys	Ser	Cys
144					155					160					165
146	Lys	Asn	Thr	Asp	Ser	Arg	Cys	Lys	Ala	Arg	Gln	Leu	Glu	Leu	Asn
147					170					175					180
149	Glu	Arg	Thr	Cys	Arg	Cys	Asp	Lys	Pro	Arg	Arg				
150					185					190					

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/700,806

DATE: 04/09/2002

TIME: 13:12:40

Input Set : A:\EP.txt

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:24 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:38 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:45 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2